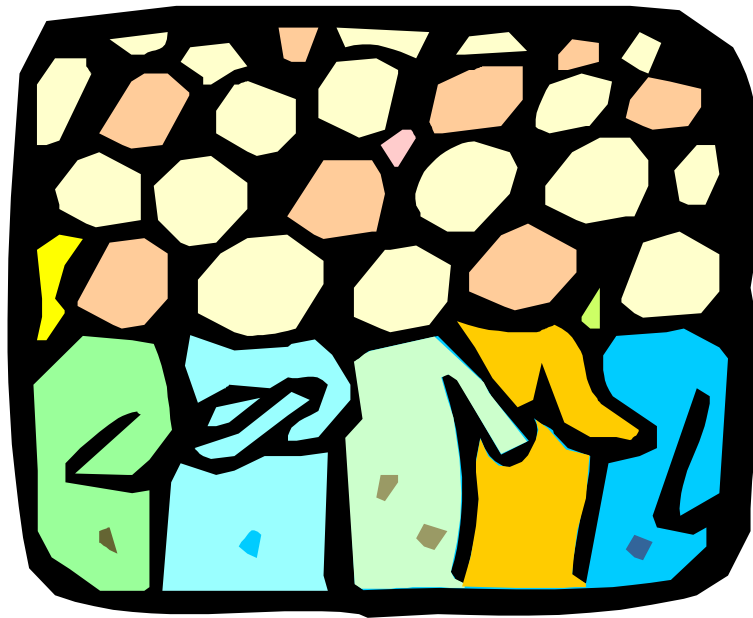


City of Richmond 2000 Census Data Report #13



1990 - 2000 Educational Attainment and Employment Status by Census Tract



Prepared by
Department of Community Development
Division of Comprehensive Planning
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Introduction

The relationship between education and success in the workplace is well known. National trends from 1990 to 2000 appear to have reinforced this concept. As of 2000, counts of people receiving high school and college diplomas were up, while the unemployment rate was down¹. However, overall national trends often mask what has happened locally, especially in diverse, urban municipalities. This report examines educational attainment (highest level of education completed) and employment status from 1990 to 2000 at the census tract-level in order to provide greater understanding of the changing character of individual areas throughout the City of Richmond.

It is important for users of the data to note that the information contained in this report is based upon Summary File 3, the long-form questionnaire-based, sample dataset, the Census Bureau compiled following the 2000 enumeration. Therefore, the population totals do not necessarily match those provided in previous *City of Richmond 2000 Census Data* reports (based upon Summary File 1, the short-form questionnaire-based, 100% count dataset). Summary File 3 data is utilized for this report as detailed statistics including employment, education, income and poverty, amongst others, are only contained within the sample dataset.

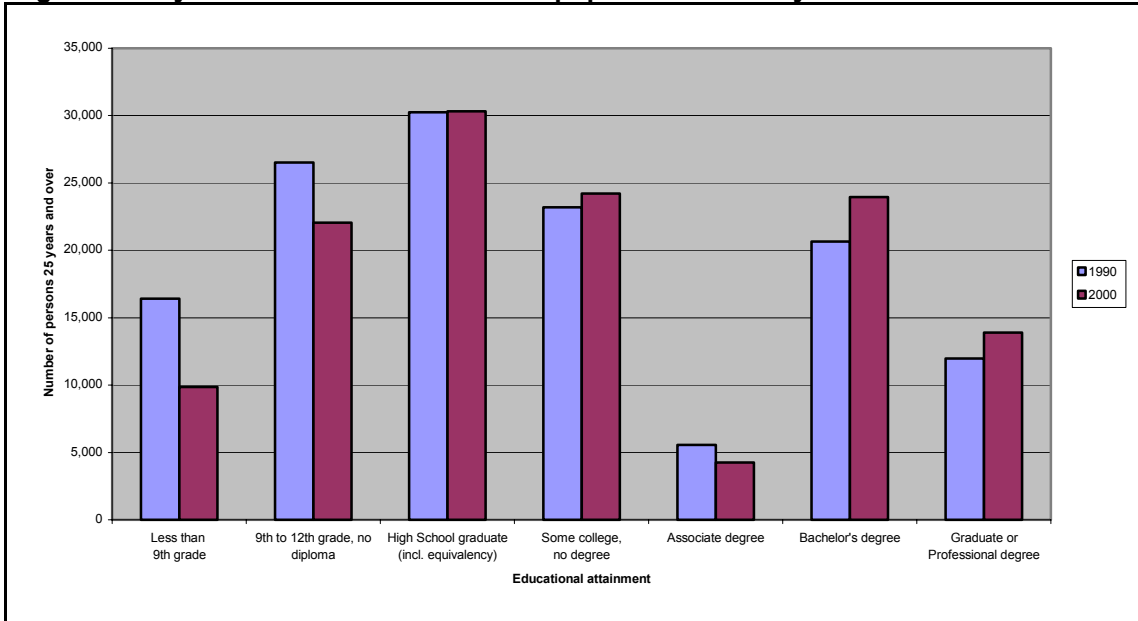
Citywide Trends

In 1990, 6.4% of the civilian workforce in the City of Richmond was unemployed. Unfortunately, the unemployment rate increased over the course of the decade, totaling 8.0% in 2000. This increase widened the gap between the City and the State of Virginia, which experienced a decline in unemployment. Compared to similar urban jurisdictions, such as Norfolk (9.0%), Baltimore (10.7%) and the District of Columbia (10.8%), Richmond unemployment rates were favorable.

The Citywide unemployment rate in 2000 was highest for African-Americans, followed closely by Asians/Pacific Islanders. Over 12% of all African-Americans and 10.4% of all Asians/Pacific Islanders in the civilian labor force were unemployed, an increase for both groups from 1990. The White population had the lowest unemployment rate in 2000 (3.4%), changing little from 1990.

Nearly one out of every three residents 25 years of age and over in 1990 did not have a high school diploma. By 2000, the number of residents without a high school diploma was approximately one in four. Encouragingly, the greatest growth by percentage of any of the educational attainment levels tracked by the Census Bureau was in those persons with a graduate or professional degree, which was followed closely by persons with a bachelor's degree. Figure 1, located on the next page, charts the Citywide changes occurring in each of the educational attainment levels from 1990 to 2000.

Figure 1. City of Richmond 1990 and 2000 population totals by educational attainment



As displayed in Table 1, the disparity in high school graduates by race that existed in 1990 lessened, as African-Americans and Whites comprised a more even percentage of the total in 2000. Unfortunately, a significant gap remained at the bachelor's degree or higher level, as Whites comprised over 76% of the total.

Table 1. Citywide educational attainment by race for the population 25 years and over

Educational Attainment	1990	2000	Change
High School Diploma +	91,634	96,648	5,014
African-American	38,163	44,507	6,344
White	52,289	48,843	-3,446
Asian/Pacific Islander	687	1,114	427
Other	495	1,027	532
Two or More Races	N/A	1,157	N/A
Bachelor's Degree +	32,623	37,861	5,238
African-American	6,427	7,561	1,134
White	25,681	28,941	3,260
Asian/Pacific Islander	372	666	294
Other	143	274	131
Two or More Races	N/A	419	N/A

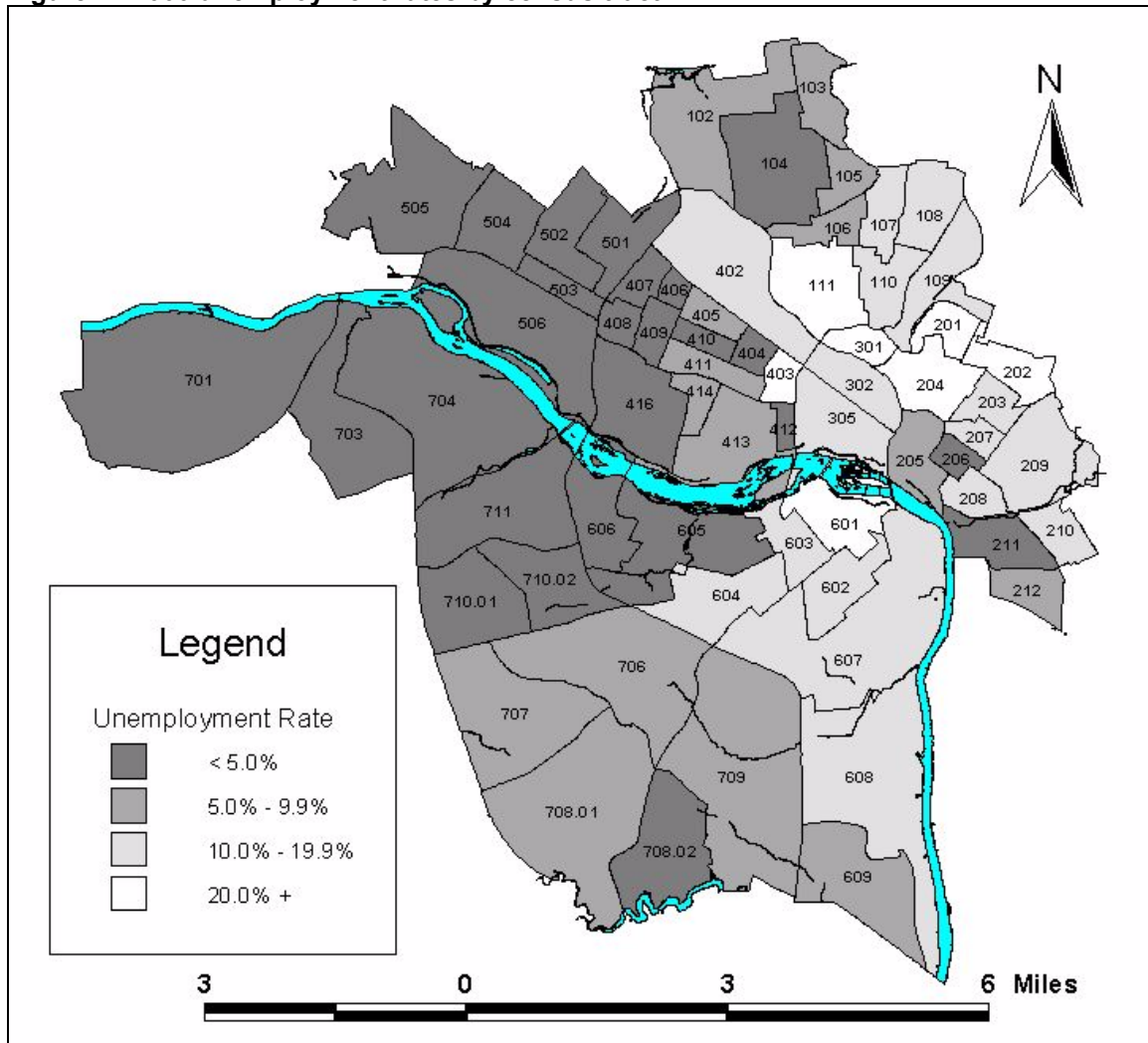
Significant changes by census tract

While the Citywide unemployment rate increased from 1990 to 2000, the affect on individual neighborhoods was varied. Some census tracts fluctuated by merely a few percentage points, while others experienced significant increases or decreases in unemployment. Understandably, many of the census tracts with high levels of unemployment in 2000 (see Figure 2 on the following page and/or

the table in Appendix A) were also those noted in a previous *City of Richmond 2000 Census Data* report as having high levels of poverty².

Census Tract 111, which contains Virginia Union University, and Census Tract 403, which contains Virginia Commonwealth University, may have had high unemployment levels in 2000 due to an error in the original recording and coding of the data³. The inclusion of students in the labor force, which would erroneously increase the size of the labor force and the number of unemployed, serves to explain not only the 2000 unemployment rates, but also the jump in the number of unemployed from 1990. The likelihood of the error appears to be substantiated by the considerable majority that college-aged persons (16 to 24 years of age) comprised of the total number of unemployed in both census tracts (84.9% in Census Tract 111 and 96.4% in Census Tract 403). The error does not appear to have affected the reported labor force data for Census Tract 505, which includes the University of Richmond.

Figure 2. 2000 unemployment rates by census tract



While the number of persons having completed undergraduate, graduate and professional degrees increased Citywide, certain neighborhoods garnered a greater share of this increase. In particular, Census Tracts 205 and 305, which contain the Shockoe Bottom, Shockoe Slip and Monroe Ward neighborhoods, amongst others, added a combined total of 777 persons with a bachelor's degree or higher. Expanded housing opportunities Downtown assuredly played an important role in this increase. The Fan, which includes Census Tracts 404, 405, 410 and 411, also experienced a sizable increase, adding 635 persons with a bachelor's degree or higher over the course of the decade.

Interestingly, the unemployment rate in Census Tract 412, which includes the Oregon Hill neighborhood, was unaffected by a dramatic increase in both high school and college graduates. Comprising less than 50% of all persons 25 years of age and over in 1990, the percentage of persons with a high school diploma rose to 86.3% in 2000. In similar fashion, the number of persons with a bachelor's degree or higher increased by nearly 200, but the unemployment rate remained unchanged at 2.5%.

Conclusion

While educational disparities persist within the City, Richmond as a whole kept pace with the State of Virginia, as the percentages of persons with bachelor's degrees or higher in 2000 mirrored each other at 29.5%. Labor force disparities also exist as many of the areas with low educational levels are also plagued by higher than average unemployment. A correction of the possible error in labor force data coding by the Census Bureau for areas surrounding colleges has the potential to greatly decrease the overall unemployment rate in the City. It is impossible to speculate how much of the increase in unemployment in those census tracts may be attributable to the error, but any reduction would have an effect on the Citywide unemployment rate.

Appendix A. Educational attainment and employment status by census tract

Census Tract	Citywide	102	103⁴	104⁴	105	106	107⁴	108	109
1990 Population 25 years and over	134,576	3,571	955	5,185	1,247	1,595	2,121	3,175	2,420
Less than 9th grade	16,418	225	130	332	116	134	280	501	500
9th to 12th grade, no diploma	26,524	475	291	564	187	269	671	895	740
High school graduate (includes equivalency)	30,256	999	216	1,040	339	506	451	921	583
Some college, no degree	23,193	749	165	1,051	243	325	382	592	343
Associate degree	5,562	148	54	181	59	45	68	96	104
Bachelor's degree	20,649	495	63	1,023	164	173	179	136	105
Graduate or professional degree	11,974	480	36	994	139	143	90	34	45
% of population without high school diploma	31.9%	19.6%	44.1%	17.3%	24.3%	25.3%	44.8%	44.0%	51.2%
1990 Population 16 years and over	164,963	3,739	1,182	5,839	1,426	1,919	2,434	3,801	2,950
In labor force	103,025	1,826	764	3,928	1,022	1,111	1,533	2,436	1,703
Civilian	102,857	1,826	764	3,906	1,016	1,111	1,528	2,436	1,697
Employed	96,229	1,756	679	3,721	984	1,052	1,421	2,234	1,491
Unemployed	6,628	70	85	185	32	59	107	202	206
% of civilian labor force unemployed	6.4%	3.8%	11.1%	4.7%	3.1%	5.3%	7.0%	8.3%	12.1%
In Armed Forces	168	0	0	22	6	0	5	0	6
Not in labor force	61,938	1,913	418	1,911	404	808	901	1,365	1,247
2000 Population 25 years and over	128,555	3,175	971	4,948	1,229	1,630	1,865	2,985	2,030
Less than 9th grade	9,859	182	31	259	59	117	241	311	226
9th to 12th grade, no diploma	22,048	351	205	544	162	347	422	840	630
High school graduate (includes equivalency)	30,314	682	355	949	291	446	564	1,019	719
Some college, no degree	24,224	686	258	858	292	259	361	521	276
Associate degree	4,249	75	37	139	22	49	52	125	80
Bachelor's degree	23,951	761	49	1,083	249	269	143	127	82
Graduate or professional degree	13,910	438	36	1,116	154	143	82	42	17
% of population without high school diploma	24.8%	16.8%	24.3%	16.2%	18.0%	28.5%	35.5%	38.6%	42.2%
2000 Population 16 years and over	158,612	3,370	1,168	5,401	1,367	1,824	2,144	3,428	2,433
In labor force	99,009	1,801	708	3,611	811	1,097	1,203	1,748	1,508
Civilian	98,688	1,801	704	3,602	811	1,090	1,198	1,748	1,508
Employed	90,745	1,694	651	3,440	754	1,026	1,024	1,551	1,294
Unemployed	7,943	107	53	162	57	64	174	197	214
% of civilian labor force unemployed	8.0%	5.9%	7.5%	4.5%	7.0%	5.9%	14.5%	11.3%	14.2%
In Armed Forces	321	0	4	9	0	7	5	0	0
Not in labor force	59,603	1,569	460	1,790	556	727	941	1,680	925
1990-2000 Population 25 years and over	-6,021	-396	16	-237	-18	35	-256	-190	-390
Less than 9th grade	-6,559	-43	-99	-73	-57	-17	-39	-190	-274
9th to 12th grade, no diploma	-4,476	-124	-86	-20	-25	78	-249	-55	-110
High school graduate (includes equivalency)	58	-317	139	-91	-48	-60	113	98	136
Some college, no degree	1,031	-63	93	-193	49	-66	-21	-71	-67
Associate degree	-1,313	-73	-17	-42	-37	4	-16	29	-24
Bachelor's degree	3,302	266	-14	60	85	96	-36	-9	-23
Graduate or professional degree	1,936	-42	0	122	15	0	-8	8	-28
1990-2000 Population 16 years and over	-6,351	-369	-14	-438	-59	-95	-290	-373	-517
In labor force	-4,016	-25	-56	-317	-211	-14	-330	-688	-195
Civilian	-4,169	-25	-60	-304	-205	-21	-330	-688	-189
Employed	-5,484	-62	-28	-281	-230	-26	-397	-683	-197
Unemployed	1,315	37	-32	-23	25	5	67	-5	8
% of civilian labor force unemployed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
In Armed Forces	153	0	4	-13	-6	7	0	0	-6
Not in labor force	-2,335	-344	42	-121	152	-81	40	315	-322

Data source: U.S. Census Bureau (1990 STF3 and 2000 SF3)

Appendix A. Educational attainment and employment status by census tract

Census Tract	110 ⁴	111	201	202	203	204	205	206	207	208
1990 Population 25 years and over	1,913	2,035	932	2,139	1,513	3,200	1,176	1,059	1,113	1,403
Less than 9th grade	199	215	217	526	384	701	212	257	319	224
9th to 12th grade, no diploma	580	429	411	909	506	1,170	273	261	417	414
High school graduate (includes equivalency)	561	553	192	461	398	766	253	170	155	316
Some college, no degree	247	282	63	183	144	407	180	139	127	122
Associate degree	114	50	16	30	27	60	33	32	40	67
Bachelor's degree	118	280	26	30	48	61	148	139	27	183
Graduate or professional degree	94	226	7	0	6	35	77	61	28	77
% of population without high school diploma	40.7%	31.6%	67.4%	67.1%	58.8%	58.5%	41.2%	48.9%	66.1%	45.5%
1990 Population 16 years and over	2,326	2,949	1,227	2,614	1,709	3,929	1,403	1,217	1,272	1,593
In labor force	1,448	1,695	648	1,308	813	1,474	1,065	795	587	968
Civilian	1,448	1,695	648	1,308	813	1,474	1,065	795	587	968
Employed	1,356	1,576	418	1,039	739	1,290	1,038	703	525	886
Unemployed	92	119	230	269	74	184	27	92	62	82
% of civilian labor force unemployed	6.4%	7.0%	35.5%	20.6%	9.1%	12.5%	2.5%	11.6%	10.6%	8.5%
In Armed Forces	0	0	0	0	0	0	0	0	0	0
Not in labor force	878	1,254	579	1,306	896	2,455	338	422	685	625
2000 Population 25 years and over	1,710	1,784	739	2,049	1,273	3,196	1,611	1,198	955	1,217
Less than 9th grade	139	140	45	361	228	339	139	110	171	81
9th to 12th grade, no diploma	406	364	316	648	398	1,164	250	221	338	289
High school graduate (includes equivalency)	704	345	195	719	352	1,172	235	236	257	304
Some college, no degree	325	393	167	218	143	451	203	256	137	184
Associate degree	50	98	9	42	24	7	59	35	15	35
Bachelor's degree	68	305	0	38	68	45	381	229	37	172
Graduate or professional degree	18	139	7	23	60	18	344	111	0	152
% of population without high school diploma	31.9%	28.3%	48.8%	49.2%	49.2%	47.0%	24.1%	27.6%	53.3%	30.4%
2000 Population 16 years and over	2,004	2,703	997	2,578	1,415	4,077	1,942	1,264	1,080	1,459
In labor force	1,148	1,695	553	1,305	718	1,215	1,363	844	501	978
Civilian	1,134	1,688	553	1,305	718	1,209	1,355	844	478	978
Employed	993	1,211	417	1,000	637	929	1,276	809	426	878
Unemployed	141	477	136	305	81	280	79	35	52	100
% of civilian labor force unemployed	12.4%	28.3%	24.6%	23.4%	11.3%	23.2%	5.8%	4.1%	10.9%	10.2%
In Armed Forces	14	7	0	0	0	6	8	0	23	0
Not in labor force	856	1,008	444	1,273	697	2,862	579	420	579	481
1990-2000 Population 25 years and over	-203	-251	-193	-90	-240	-4	435	139	-158	-186
Less than 9th grade	-60	-75	-172	-165	-156	-362	-73	-147	-148	-143
9th to 12th grade, no diploma	-174	-65	-95	-261	-108	-6	-23	-40	-79	-125
High school graduate (includes equivalency)	143	-208	3	258	-46	406	-18	66	102	-12
Some college, no degree	78	111	104	35	-1	44	23	117	10	62
Associate degree	-64	48	-7	12	-3	-53	26	3	-25	-32
Bachelor's degree	-50	25	-26	8	20	-16	233	90	10	-11
Graduate or professional degree	-76	-87	0	23	54	-17	267	50	-28	75
1990-2000 Population 16 years and over	-322	-246	-230	-36	-294	148	539	47	-192	-134
In labor force	-300	0	-95	-3	-95	-259	298	49	-86	10
Civilian	-314	-7	-95	-3	-95	-265	290	49	-109	10
Employed	-363	-365	-1	-39	-102	-361	238	106	-99	-8
Unemployed	49	358	-94	36	7	96	52	-57	-10	18
% of civilian labor force unemployed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
In Armed Forces	14	7	0	0	0	6	8	0	23	0
Not in labor force	-22	-246	-135	-33	-199	407	241	-2	-106	-144

Data source: U.S. Census Bureau (1990 STF3 and 2000 SF3)

Appendix A. Educational attainment and employment status by census tract

Census Tract	209	210	211	212	301	302 ⁵	305 ⁵	402 ⁵	403	404
1990 Population 25 years and over	2,022	986	624	1,074	1,312	1,116	1,888	1,174	418	2,040
Less than 9th grade	390	206	109	169	442	277	261	283	74	137
9th to 12th grade, no diploma	744	321	176	313	533	230	520	365	28	192
High school graduate (includes equivalency)	518	223	160	282	217	171	473	266	57	186
Some college, no degree	217	148	65	205	92	146	298	156	94	338
Associate degree	106	46	19	36	12	37	49	34	29	53
Bachelor's degree	47	42	73	39	16	228	204	40	86	692
Graduate or professional degree	0	0	22	30	0	27	83	30	50	442
% of population without high school diploma	56.1%	53.4%	45.7%	44.9%	74.3%	45.4%	41.4%	55.2%	24.4%	16.1%
1990 Population 16 years and over	2,423	1,229	774	1,252	1,793	1,660	2,200	1,332	2,533	3,677
In labor force	1,366	683	439	846	513	943	874	695	1,275	2,570
Civilian	1,366	683	439	846	513	943	874	695	1,275	2,570
Employed	1,224	650	376	785	435	844	780	598	1,143	2,399
Unemployed	142	33	63	61	78	99	94	97	132	171
% of civilian labor force unemployed	10.4%	4.8%	14.4%	7.2%	15.2%	10.5%	10.8%	14.0%	10.4%	6.7%
In Armed Forces	0	0	0	0	0	0	0	0	0	0
Not in labor force	1,057	546	335	406	1,280	717	1,326	637	1,258	1,107
2000 Population 25 years and over	1,981	846	875	1,003	1,219	747	1,823	1,079	302	2,013
Less than 9th grade	230	90	70	155	245	37	283	120	33	147
9th to 12th grade, no diploma	587	289	146	239	544	183	306	266	26	188
High school graduate (includes equivalency)	692	255	354	335	298	139	306	312	28	230
Some college, no degree	278	136	146	176	85	185	346	192	84	230
Associate degree	57	30	27	26	21	25	18	60	0	58
Bachelor's degree	91	28	118	49	10	128	355	86	41	677
Graduate or professional degree	46	18	14	23	16	50	209	43	90	483
% of population without high school diploma	41.2%	44.8%	24.7%	39.3%	64.7%	29.5%	32.3%	35.8%	19.5%	16.6%
2000 Population 16 years and over	2,210	1,067	1,018	1,175	1,576	1,396	2,297	1,185	2,424	3,718
In labor force	1,133	629	577	721	557	856	1,312	744	1,678	2,571
Civilian	1,133	623	577	721	557	856	1,312	744	1,673	2,571
Employed	982	545	551	677	384	758	1,068	598	894	2,490
Unemployed	151	78	26	44	173	98	244	146	779	81
% of civilian labor force unemployed	13.3%	12.5%	4.5%	6.1%	31.1%	11.4%	18.6%	19.6%	46.6%	3.2%
In Armed Forces	0	6	0	0	0	0	0	0	5	0
Not in labor force	1,077	438	441	454	1,019	540	985	441	746	1,147
1990-2000 Population 25 years and over	-41	-140	251	-71	-93	-369	-65	-95	-116	-27
Less than 9th grade	-160	-116	-39	-14	-197	-240	22	-163	-41	10
9th to 12th grade, no diploma	-157	-32	-30	-74	11	-47	-214	-99	-2	-4
High school graduate (includes equivalency)	174	32	194	53	81	-32	-167	46	-29	44
Some college, no degree	61	-12	81	-29	-7	39	48	36	-10	-108
Associate degree	-49	-16	8	-10	9	-12	-31	26	-29	5
Bachelor's degree	44	-14	45	10	-6	-100	151	46	-45	-15
Graduate or professional degree	46	18	-8	-7	16	23	126	13	40	41
1990-2000 Population 16 years and over	-213	-162	244	-77	-217	-264	97	-147	-109	41
In labor force	-233	-54	138	-125	44	-87	438	49	403	1
Civilian	-233	-60	138	-125	44	-87	438	49	398	1
Employed	-242	-105	175	-108	-51	-86	288	0	-249	91
Unemployed	9	45	-37	-17	95	-1	150	49	647	-90
% of civilian labor force unemployed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
In Armed Forces	0	6	0	0	0	0	0	0	5	0
Not in labor force	20	-108	106	48	-261	-177	-341	-196	-512	40

Data source: U.S. Census Bureau (1990 STF3 and 2000 SF3)

Appendix A. Educational attainment and employment status by census tract

Census Tract	405	406	407	408	409	410	411	412 ⁴	413 ⁵	414
1990 Population 25 years and over	2,481	1,462	1,928	1,151	2,101	1,873	2,200	557	1,943	1,865
Less than 9th grade	203	110	62	127	212	26	258	121	360	373
9th to 12th grade, no diploma	68	95	152	112	225	85	309	161	406	367
High school graduate (includes equivalency)	332	247	342	190	285	143	389	67	573	481
Some college, no degree	506	308	453	228	503	329	455	81	313	275
Associate degree	88	81	93	50	91	96	54	24	61	75
Bachelor's degree	854	460	554	341	465	667	512	90	168	185
Graduate or professional degree	430	161	272	103	320	527	223	13	62	109
% of population without high school diploma	10.9%	14.0%	11.1%	20.8%	20.8%	5.9%	25.8%	50.6%	39.4%	39.7%
1990 Population 16 years and over	3,163	1,927	2,234	1,286	2,513	2,434	3,120	681	2,264	2,123
In labor force	2,432	1,453	1,666	911	1,856	1,987	2,309	476	1,393	1,306
Civilian	2,432	1,453	1,649	911	1,856	1,987	2,309	476	1,393	1,296
Employed	2,315	1,427	1,606	885	1,805	1,924	2,252	464	1,324	1,241
Unemployed	117	26	43	26	51	63	57	12	69	55
% of civilian labor force unemployed	4.8%	1.8%	2.6%	2.9%	2.7%	3.2%	2.5%	2.5%	5.0%	4.2%
In Armed Forces	0	0	17	0	0	0	0	0	0	10
Not in labor force	731	474	568	375	657	447	811	205	871	817
2000 Population 25 years and over	2,411	1,060	1,931	1,049	1,900	1,991	2,209	600	1,923	1,661
Less than 9th grade	121	42	54	37	60	0	168	35	240	186
9th to 12th grade, no diploma	157	36	66	45	121	23	258	47	367	319
High school graduate (includes equivalency)	291	136	239	149	242	132	436	61	534	484
Some college, no degree	364	219	340	191	407	326	342	148	456	379
Associate degree	75	32	75	53	36	61	35	11	73	55
Bachelor's degree	929	433	742	397	727	826	703	222	196	148
Graduate or professional degree	474	162	415	177	307	623	267	76	57	90
% of population without high school diploma	11.5%	7.4%	6.2%	7.8%	9.5%	1.2%	19.3%	13.7%	31.6%	30.4%
2000 Population 16 years and over	3,199	1,576	2,242	1,220	2,321	2,517	3,052	746	2,216	1,953
In labor force	2,440	1,379	1,810	930	1,788	2,070	2,294	612	1,344	1,135
Civilian	2,440	1,379	1,787	930	1,788	2,062	2,294	612	1,338	1,135
Employed	2,273	1,355	1,742	917	1,702	2,044	2,169	597	1,264	1,069
Unemployed	167	24	45	13	86	18	125	15	74	66
% of civilian labor force unemployed	6.8%	1.7%	2.5%	1.4%	4.8%	0.9%	5.4%	2.5%	5.5%	5.8%
In Armed Forces	0	0	23	0	0	8	0	0	6	0
Not in labor force	759	197	432	290	533	447	758	134	872	818
1990-2000 Population 25 years and over	-70	-402	3	-102	-201	118	9	43	-20	-204
Less than 9th grade	-82	-68	-8	-90	-152	-26	-90	-86	-120	-187
9th to 12th grade, no diploma	89	-59	-86	-67	-104	-62	-51	-114	-39	-48
High school graduate (includes equivalency)	-41	-111	-103	-41	-43	-11	47	-6	-39	3
Some college, no degree	-142	-89	-113	-37	-96	-3	-113	67	143	104
Associate degree	-13	-49	-18	3	-55	-35	-19	-13	12	-20
Bachelor's degree	75	-27	188	56	262	159	191	132	28	-37
Graduate or professional degree	44	1	143	74	-13	96	44	63	-5	-19
1990-2000 Population 16 years and over	36	-351	8	-66	-192	83	-68	65	-48	-170
In labor force	8	-74	144	19	-68	83	-15	136	-49	-171
Civilian	8	-74	138	19	-68	75	-15	136	-55	-161
Employed	-42	-72	136	32	-103	120	-83	133	-60	-172
Unemployed	50	-2	2	-13	35	-45	68	3	5	11
% of civilian labor force unemployed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
In Armed Forces	0	0	6	0	0	8	0	0	6	-10
Not in labor force	28	-277	-136	-85	-124	0	-53	-71	1	1

Data source: U.S. Census Bureau (1990 STF3 and 2000 SF3)

Appendix A. Educational attainment and employment status by census tract

Census Tract	416	501	502 ⁵	503	504	505 ⁵	506	601 ⁴	602	603 ⁴
1990 Population 25 years and over	1,106	2,025	2,526	930	2,127	2,222	1,555	709	1,717	1,012
Less than 9th grade	110	29	94	14	66	58	27	192	413	255
9th to 12th grade, no diploma	211	77	181	71	114	134	30	323	436	279
High school graduate (includes equivalency)	268	311	433	167	217	403	96	143	608	206
Some college, no degree	179	432	498	210	324	466	245	38	208	132
Associate degree	19	89	166	31	76	56	43	0	29	13
Bachelor's degree	239	679	719	307	852	602	570	0	23	47
Graduate or professional degree	80	408	435	130	478	503	544	13	0	80
% of population without high school diploma	29.0%	5.2%	10.9%	9.1%	8.5%	8.6%	3.7%	72.6%	49.4%	52.8%
1990 Population 16 years and over	1,266	2,183	2,658	997	2,279	4,626	1,703	898	2,117	1,234
In labor force	799	1,393	1,625	535	1,497	2,193	900	324	1,250	714
Civilian	799	1,393	1,625	535	1,492	2,193	900	324	1,250	714
Employed	754	1,349	1,586	535	1,478	2,128	887	219	1,120	650
Unemployed	45	44	39	0	14	65	13	105	130	64
% of civilian labor force unemployed	5.6%	3.2%	2.4%	0.0%	0.9%	3.0%	1.4%	32.4%	10.4%	9.0%
In Armed Forces	0	0	0	0	5	0	0	0	0	0
Not in labor force	467	790	1,033	462	782	2,433	803	574	867	520
2000 Population 25 years and over	1,154	2,056	2,455	1,057	1,970	2,150	1,554	258	1,327	1,129
Less than 9th grade	67	42	30	0	52	58	5	54	154	169
9th to 12th grade, no diploma	159	100	106	8	64	63	16	35	415	257
High school graduate (includes equivalency)	224	242	311	117	148	257	62	86	400	242
Some college, no degree	250	329	319	162	280	330	207	42	245	173
Associate degree	23	79	126	25	43	27	45	6	22	31
Bachelor's degree	221	873	984	494	898	848	660	23	38	145
Graduate or professional degree	210	391	579	251	485	567	559	12	53	112
% of population without high school diploma	19.6%	6.9%	5.5%	0.8%	5.9%	5.6%	1.4%	34.5%	42.9%	37.7%
2000 Population 16 years and over	1,269	2,268	2,624	1,137	2,141	5,099	1,652	329	1,652	1,298
In labor force	781	1,642	1,878	875	1,311	2,627	866	175	851	732
Civilian	772	1,642	1,868	875	1,311	2,627	866	175	842	732
Employed	735	1,569	1,840	860	1,287	2,531	861	134	729	650
Unemployed	37	73	28	15	24	96	5	41	113	82
% of civilian labor force unemployed	4.8%	4.4%	1.5%	1.7%	1.8%	3.7%	0.6%	23.4%	13.4%	11.2%
In Armed Forces	9	0	10	0	0	0	0	0	9	0
Not in labor force	488	626	746	262	830	2,472	786	154	801	566
1990-2000 Population 25 years and over	48	31	-71	127	-157	-72	-1	-451	-390	117
Less than 9th grade	-43	13	-64	-14	-14	0	-22	-138	-259	-86
9th to 12th grade, no diploma	-52	23	-75	-63	-50	-71	-14	-288	-21	-22
High school graduate (includes equivalency)	-44	-69	-122	-50	-69	-146	-34	-57	-208	36
Some college, no degree	71	-103	-179	-48	-44	-136	-38	4	37	41
Associate degree	4	-10	-40	-6	-33	-29	2	6	-7	18
Bachelor's degree	-18	194	265	187	46	246	90	23	15	98
Graduate or professional degree	130	-17	144	121	7	64	15	-1	53	32
1990-2000 Population 16 years and over	3	85	-34	140	-138	473	-51	-569	-465	64
In labor force	-18	249	253	340	-186	434	-34	-149	-399	18
Civilian	-27	249	243	340	-181	434	-34	-149	-408	18
Employed	-19	220	254	325	-191	403	-26	-85	-391	0
Unemployed	-8	29	-11	15	10	31	-8	-64	-17	18
% of civilian labor force unemployed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
In Armed Forces	9	0	10	0	-5	0	0	0	9	0
Not in labor force	21	-164	-287	-200	48	39	-17	-420	-66	46

Data source: U.S. Census Bureau (1990 STF3 and 2000 SF3)

Appendix A. Educational attainment and employment status by census tract

Census Tract	604	605 ⁴	606 ⁴	607	608	609	701	703 ⁵	704	706
1990 Population 25 years and over	3,635	4,450	1,942	2,945	2,923	851	3,588	2,369	3,215	4,339
Less than 9th grade	729	459	49	504	492	213	76	202	50	568
9th to 12th grade, no diploma	1,042	756	203	878	935	269	149	148	190	999
High school graduate (includes equivalency)	886	763	361	1,034	900	251	616	388	445	1,346
Some college, no degree	583	716	350	317	390	87	863	557	786	782
Associate degree	72	244	97	146	128	23	258	110	223	178
Bachelor's degree	236	1,033	472	47	78	0	950	635	975	400
Graduate or professional degree	87	479	410	19	0	8	676	329	546	66
% of population without high school diploma	48.7%	27.3%	13.0%	46.9%	48.8%	56.6%	6.3%	14.8%	7.5%	36.1%
1990 Population 16 years and over	4,263	4,882	2,089	3,716	3,510	948	3,933	2,718	3,494	5,254
In labor force	2,507	3,164	1,235	2,220	2,521	580	2,435	1,736	2,213	3,821
Civilian	2,507	3,164	1,235	2,211	2,492	580	2,435	1,736	2,213	3,821
Employed	2,302	3,031	1,145	2,004	2,240	539	2,323	1,719	2,186	3,517
Unemployed	205	133	90	207	252	41	112	17	27	304
% of civilian labor force unemployed	8.2%	4.2%	7.3%	9.4%	10.1%	7.1%	4.6%	1.0%	1.2%	8.0%
In Armed Forces	0	0	0	9	29	0	0	0	0	0
Not in labor force	1,756	1,718	854	1,496	989	368	1,498	982	1,281	1,433
2000 Population 25 years and over	3,391	4,361	2,020	2,776	1,967	953	3,466	2,275	3,043	4,786
Less than 9th grade	304	244	64	397	273	168	36	147	68	532
9th to 12th grade, no diploma	1,039	607	146	1,059	679	326	98	164	96	898
High school graduate (includes equivalency)	1,062	933	375	646	613	262	566	369	438	1,692
Some college, no degree	596	787	399	517	298	133	670	476	739	1,028
Associate degree	57	208	59	59	25	13	177	85	180	196
Bachelor's degree	253	1,051	563	81	51	39	1,088	623	907	334
Graduate or professional degree	80	531	414	17	28	12	831	411	615	106
% of population without high school diploma	39.6%	19.5%	10.4%	52.4%	48.4%	51.8%	3.9%	13.7%	5.4%	29.9%
2000 Population 16 years and over	4,071	4,962	2,192	3,475	2,363	1,074	3,688	2,658	3,301	5,869
In labor force	2,337	3,372	1,410	1,895	1,379	660	2,250	1,682	2,142	3,661
Civilian	2,337	3,355	1,403	1,895	1,379	660	2,237	1,682	2,142	3,626
Employed	2,044	3,203	1,389	1,611	1,185	601	2,182	1,600	2,098	3,430
Unemployed	293	152	14	284	194	59	55	82	44	196
% of civilian labor force unemployed	12.5%	4.5%	1.0%	15.0%	14.1%	8.9%	2.5%	4.9%	2.1%	5.4%
In Armed Forces	0	17	7	0	0	0	13	0	0	35
Not in labor force	1734	1590	782	1580	984	414	1438	976	1159	2208
1990-2000 Population 25 years and over	-244	-89	78	-169	-956	102	-122	-94	-172	447
Less than 9th grade	-425	-215	15	-107	-219	-45	-40	-55	18	-36
9th to 12th grade, no diploma	-3	-149	-57	181	-256	57	-51	16	-94	-101
High school graduate (includes equivalency)	176	170	14	-388	-287	11	-50	-19	-7	346
Some college, no degree	13	71	49	200	-92	46	-193	-81	-47	246
Associate degree	-15	-36	-38	-87	-103	-10	-81	-25	-43	18
Bachelor's degree	17	18	91	34	-27	39	138	-12	-68	-66
Graduate or professional degree	-7	52	4	-2	28	4	155	82	69	40
1990-2000 Population 16 years and over	-192	80	103	-241	-1,147	126	-245	-60	-193	615
In labor force	-170	208	175	-325	-1,142	80	-185	-54	-71	-160
Civilian	-170	191	168	-316	-1,113	80	-198	-54	-71	-195
Employed	-258	172	244	-393	-1,055	62	-141	-119	-88	-87
Unemployed	88	19	-76	77	-58	18	-57	65	17	-108
% of civilian labor force unemployed	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
In Armed Forces	0	17	7	-9	-29	0	13	0	0	35
Not in labor force	-22	-128	-72	84	-5	46	-60	-6	-122	775

Data source: U.S. Census Bureau (1990 STF3 and 2000 SF3)

Appendix A. Educational attainment and employment status by census tract

Census Tract	707	708.01⁶	708.02⁶	709	710.01⁷	710.02⁷	711
1990 Population 25 years and over	2,887	3,857	1,546	4,275	3,192	2,199	3,467
Less than 9th grade	339	427	139	627	161	330	123
9th to 12th grade, no diploma	782	908	419	908	500	421	297
High school graduate (includes equivalency)	828	1,090	433	1,343	716	773	749
Some college, no degree	498	797	332	789	480	417	763
Associate degree	193	172	101	216	220	56	245
Bachelor's degree	186	379	94	298	749	139	779
Graduate or professional degree	61	84	28	94	366	63	511
% of population without high school diploma	38.8%	34.6%	36.1%	35.9%	20.7%	34.2%	12.1%
1990 Population 16 years and over	3,579	4,572	1,877	5,135	4,197	2,559	4,129
In labor force	2,487	3,191	1,193	3,664	2,919	1,670	3,122
Civilian	2,487	3,169	1,187	3,639	2,919	1,670	3,116
Employed	2,360	2,948	1,093	3,331	2,810	1,559	3,031
Unemployed	127	221	94	308	109	111	85
% of civilian labor force unemployed	5.1%	7.0%	7.9%	8.5%	3.7%	6.6%	2.7%
In Armed Forces	0	23	5	25	0	0	6
Not in labor force	1,092	1,381	684	1,471	1,278	889	1,007
2000 Population 25 years and over	3,014	3,942	1,729	3,855	3,074	2,203	3,402
Less than 9th grade	259	332	176	321	107	161	107
9th to 12th grade, no diploma	685	763	307	806	272	405	367
High school graduate (includes equivalency)	884	1,151	532	1,172	886	712	735
Some college, no degree	654	920	397	1,033	815	480	927
Associate degree	103	195	80	109	149	100	246
Bachelor's degree	253	456	168	287	692	280	629
Graduate or professional degree	176	125	69	127	153	65	391
% of population without high school diploma	31.3%	27.8%	27.9%	29.2%	12.3%	25.7%	13.9%
2000 Population 16 years and over	3,642	4,785	1,998	4,875	3,883	2,451	4,094
In labor force	2,401	3,326	1,309	3,037	2,557	1,543	2,923
Civilian	2,401	3,318	1,281	3,037	2,525	1,530	2,914
Employed	2,233	3,060	1,238	2,840	2,420	1,473	2,853
Unemployed	168	258	43	197	105	57	61
% of civilian labor force unemployed	7.0%	7.8%	3.4%	6.5%	4.2%	3.7%	2.1%
In Armed Forces	0	8	28	0	32	13	9
Not in labor force	1,241	1,459	689	1,838	1,326	908	1,171
1990-2000 Population 25 years and over	127	85	183	-420	-118	4	-65
Less than 9th grade	-80	-95	37	-306	-54	-169	-16
9th to 12th grade, no diploma	-97	-145	-112	-102	-228	-16	70
High school graduate (includes equivalency)	56	61	99	-171	170	-61	-14
Some college, no degree	156	123	65	244	335	63	164
Associate degree	-90	23	-21	-107	-71	44	1
Bachelor's degree	67	77	74	-11	-57	141	-150
Graduate or professional degree	115	41	41	33	-213	2	-120
1990-2000 Population 16 years and over	63	213	121	-260	-314	-108	-35
In labor force	-86	135	116	-627	-362	-127	-199
Civilian	-86	149	94	-602	-394	-140	-202
Employed	-127	112	145	-491	-390	-86	-178
Unemployed	41	37	-51	-111	-4	-54	-24
% of civilian labor force unemployed	N/A	N/A	N/A	N/A	N/A	N/A	N/A
In Armed Forces	0	-15	23	-25	32	13	3
Not in labor force	149	78	5	367	48	19	164

Data source: U.S. Census Bureau (1990 STF3 and 2000 SF3)

Endnotes

¹ According to the U.S. Census Bureau's 1990 and 2000 *Profile of Selected Social Characteristics* for the United States, the percentage of the population 25 years of age and over with a high school degree increased from 75.2% to 80.4%. The *Profile of Selected Economic Characteristics* showed the percent of civilian labor force unemployed falling from 6.3% to 5.8%.

² *City of Richmond 2000 Census Data Report #12, 1990-2000 Poverty Statistics by Census Tract*. City of Richmond Department of Community Development, Division of Comprehensive Planning. October 2002.

³ As stated in *Census 2000 Summary File 3 Technical Documentation, prepared by U.S. Census Bureau, 2002*, "the Census Bureau is aware there may be a problem or problems in the employment-status data of Census 2000 Summary File 3. The labor force data for some places where colleges are located appear to overstate the number in the labor force, the number unemployed, and the percent unemployed, probably because of reporting or processing error. The exact cause is unknown, but the Census Bureau will continue to research the problem."

⁴ Changes in boundary of census tract occurred between 1990 and 2000. Change involved geography smaller than block group level; therefore, figures were not adjusted. The unadjusted 1990 census tract totals impact the accuracy of the 1990-2000 change figures.

⁵ Changes in boundary of census tract occurred between 1990 and 2000. Entire census tracts merged together; therefore, the 1990 totals were combined.

⁶ Changes in boundary of Census Tract 708 occurred between 1990 and 2000. Tract split by block group into 2000 Census Tracts 708.01 and 708.02. Entire block groups combined with a partial block group (partial block group data assigned to new census tracts using block-level population totals from Summary Tape File 1) to produce new 1990 census tract totals.

⁷ Changes in boundary of Census Tract 710.98 occurred between 1990 and 2000. Tract split by block group into 2000 Census Tracts 710.01 and 710.02. Combined block group totals used for new 1990 census tract totals.

CENSUS GLOSSARY*

Armed forces

The armed forces include people on active duty with the United States Army, Air Force, Navy, Marine Corps, or Coast Guard. It does not include Armed Forces members stationed abroad in foreign countries.

Employed

All civilians 16 years old and over who are either (1) “at work” – those who did any work at all during the reference week as paid employees, worked in their own business or profession, worked on their own farm, or worked 15 hours or more as unpaid workers on a family farm or in a family business or (2) are “with a job, but not at work” – those who did not work during the reference week, but had jobs or businesses from which they were temporarily absent. Excluded from the employed are those people whose only activity consisted of work around their own house or unpaid volunteer work. Also excluded are people on active duty in the U.S. armed forces. The reference week is the full calendar week preceding the date on which the respondent completed the questionnaire.

Labor force

The labor force includes all people classified in the civilian labor force (employed and unemployed) plus members of the U.S. armed forces.

Not in labor force

All people 16 years and over whom are not in the labor force. This includes students, “individuals taking care of home or family,” retirees, seasonal workers counted during an off season and not looking for work, institutionalized persons and those participating in “incidental unpaid family work.”

Unemployed

Civilians 16 years old and over are classified as unemployed if they (1) were neither “at work” nor “with a job but not at work” during the reference week, (2) were looking for work during the last four weeks, and (3) were available to start a job. Also included as unemployed are civilians 16 years old and over who did not work at all during the reference week, were on temporary layoff from a job, expected to be recalled to work within the next 6 months, or had been given a date to return to work, and were available for work during the reference week.

* Definitions adapted from *Census 2000 Summary File 3 Technical Documentation*, prepared by U.S. Census Bureau, 2002.